

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM  
CHAPTER 127 INSPECTION REPORT

PERMIT NO: 36-3033  
DATE PREPARED: 9-14-01  
BY: T. L. Rainar *TLR*  
E-FACTS I.D.: 1057418

1. OWNER OF SOURCE  
Bulova Technologies, L.L.C.

2. LOCATION OF SOURCE  
Site: 101 N. Queen St.  
Munic.: Lancaster City  
County: Lancaster

3. SOURCE & AIR CLEANING DEVICE  
Source: Plating and Finishing  
Area  
A/C Device: Heil Packed Tower  
Scrubber

RECOMMENDATIONS *DMB*

Issue Operating Permit  
Reissue Operating Permit  
Issue Temporary Permit  
Reissue Temporary Permit  
Deny Operating Permit  
X Reinspection Only  
Other: SOP - NM

DATE INSPECTED: 08/28/01  
VALID UNTIL: 05/31/06

4. OFFICIAL (CONTACTED): (MAIL TO): Mr. Robin E. Thomas  
Name: Mr. Robin E. Thomas Title: Director Environmental and  
Title: Director Environmental and Chemical Services  
Chemical Services Address: P. O. Box 4787  
City, State: Lancaster, PA 17604-4787

5. WAS EQUIPMENT OPERATIONAL ? Yes WAS INSPECTION ANNOUNCED? No

6. PRODUCTION/FIRING RATE: Average production in all Departments

7. MAXIMUM PRODUCTION/FIRING RATE INFORMATION: Same

8. OPERATING PARAMETERS: Water flow to scrubber: 400 gpm (pump rating)  
pH: 7.1  
Valve on pump: Full open  
Line pressure: 18 psi  
Caustic solution: NaOH

9. AVERAGE STACK OPACITY: 0 % MALODORS: None FUGITIVE: None

10. APPLICATION CONFORMANCE: Yes STANDARDS COMPLIANCE: Yes

11. MALFUNCTIONS SINCE LAST INSPECTION (If yes, explain in remarks) None

12. REMARKS: The scrubber controls three areas each with numerous pick-up points. The three areas are the Chem Lab, the Finishing/Plating area and the Technical Products area. The majority of the pick-up points are for plating operations which include nickel, chromate, copper, and zinc lines. A small amount of precious metal plating is conducted in the Lab.

## REMARKS: (continued)

The SOP - NM Permit was issued on 5-23-01 with an effective date of 6-1-01. This permit expires on 5-31-06.

The Detrex Conveyorized Degreaser covered by Operating Permit No. 36-327-011A was taken out of service in 1995.

An additional Soldering Operation was installed as part of Circuit Board Assembly Production in April 2001. This installation was granted a Minor Significance Determination on 2-2-01.

The following sources are listed on the Natural Minor application:

- 101 Metal Finishing Processes
- 102 Conformal Coating
- 103 Small Scale Cleaning
- 104 Soldering Operations
- 105 Lubricating Processes
- 106 Packaging/Stenciling/Etc.
- 107 Sealing/Gluing/Bonding
- 108 Potting/Encapsulation

All of the above sources exhaust to the Heil Packed Tower Scrubber. The Conformal Coating Operation is also equipped with Dry Panel Filters which in turn vent to the Scrubber.